

**11.1 Integers that Represent Different Situations**

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**Answers**

- |         |          |             |             |              |
|---------|----------|-------------|-------------|--------------|
| 1. -20  | 2. +14   | 3. +\$20.00 | 4. -\$18.00 | 5. +500      |
| 6. -200 | 7. -8    | 8. +78      | 9. -\$68.00 | 10. +\$55.00 |
| 11. 0   | 12. -15% | 13. 0       | 14. 0       | 15. +18%     |

**11.2 Opposites of Given Integers**

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**Answers**

- |              |          |         |         |           |
|--------------|----------|---------|---------|-----------|
| 1. 18        | 2. -22   | 3. 78   | 4. -999 | 5. 87     |
| 6. +30       | 7. -15   | 8. +25  | 9. -80  | 10. +100  |
| 11. -\$10.00 | 12. -15% | 13. 987 | 14. -65 | 15. 1,298 |

**11.3 Integer Comparison on a Number Line**

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**Answers**

- |                 |                |                 |                |                 |
|-----------------|----------------|-----------------|----------------|-----------------|
| 1. <            | 2. <           | 3. >            | 4. >           | 5. >            |
| 6. >            | 7. >           | 8. >            | 9. <           | 10. >           |
| 11. $-16 > -29$ | 12. $-18 < 29$ | 13. $-27 < -10$ | 14. $-16 < 12$ | 15. $-90 > -99$ |

**11.4 Positive and Negative Fraction and Decimal Comparison**

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**Answers**

- |   |       |       |       |
|---|-------|-------|-------|
| 1. >  | 2. <  | 3. >  | 4. >  |
| 5. >  | 6. >  | 7. <  | 8. =  |
| 9. =  | 10. = | 11. > | 12. < |
| 13. -19, -12, -8, -4, -2, -1, 0                                       |       |       |       |
| 14. -11, -9, 5, 7, 8, 23  |       |       |       |
| 15. $-\frac{5}{6}$ , $-\frac{3}{4}$ , $-\frac{1}{2}$ , $-\frac{1}{4}$ |       |       |       |

**11.5 Sums of Integers on a Number Line**

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**Answers**

1. 13	2. -16	3. -7	4. 17	5. -35
6. 38	7. -47	8. 41	9. -38	10. -28
11. -6	12. -2	13. -11	14. -5	15. -8
16. -5	17. 13	18. 12	19. -3	20. -6

**11.6 Absolute Value of Integers**

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**Answers**

1. 6	2. 6	3. 21	4. 8	5. 12
6. 7	7. 17	8. 17	9. 4	10. 4
11. 204	12. 44	13. 144	14. 144	15. 290

**11.7 Sums of Integers with the Same Sign**

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**Answers**

1. 15	2. -15	3. -25	4. 25	5. 113
6. 185	7. -105	8. -105	9. -345	10. 295
11. -32	12. -55	13. -123	14. -116	15. -158

**11.8 Sums of Integers with Different Signs**

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**Answers**

1. 8	2. -10	3. 28	4. -38	5. 3
6. -9	7. -6	8. 5	9. 2	10. -11
11. 9	12. 52	13. 59	14. 55	15. 46

**11.9 Differences of Integers Using a Number Line**

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**Answers**

1. -7      2. -5      3. -17      4. -67      5. -27  
6. -27      7. 16      8. 3      9. -77      10. -72  
11. -18      12. -29      13. -53      14. -31      15. -85

**11.10 Differences of Integers with the Same Sign**

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**Answers**

1. -5      2. 5      3. -8      4. -16      5. -43  
6. -5      7. -2      8. 14      9. 4      10. -46  
11. 1      12. -20      13. -113      14. 83      15. -35

**11.11 Differences of Integers with Different Signs**

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**Answers**

1. -6      2. -17      3. -13      4. -23      5. -35      6. -100  
7. -5      8. -5      9. -3      10. -7      11. -11      12. -5  
13. -45      14. -33      15. 1      16. -5      17. -2      18. 5  
19. 3      20. 0      21. 1      22. 13      23. 13      24. 19  
25. 18      26. 27      27. 27      28. 37      29. 70      30. 55

**11.12 Integer Multiplication**

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**Answers**

1. 56      2. -12      3. 40      4. 27      5. 72  
6. 81      7. -32      8. 14      9. 21      10. -30  
11. -30      12. 30      13. -60      14. 77      15. 20  
16. 88      17. -6      18. -35      19. 26      20. 28  
21. 18      22. 24      23. 45      24. 144      25. 30

**11.13 Integer Division**

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**Answers**

1. -2	2. 2	3. -4	4. 4	5. -3
6. -6	7. 8	8. -8	9. -7	10. 11
11. -12	12. -50	13. 25	14. -14	15. 22
16. -50	17. -2	18. -2	19. 2	20. 25
21. -2	22. 27	23. -9	24. -8	25. 3

**11.14 Ordered Pairs in Four Quadrants**

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**Answers**

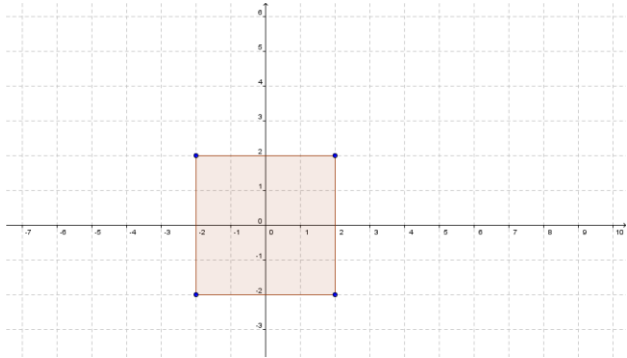
1. (-6, 4)	2. (1, 2)	3. (1, -2)
4. (-6, 0)	5. (4, 3)	6. (8, -3)
7. (-4, -1)	8. No H on the grid	9. (8,5)
10. (-7, -4)	11. Origin	12. (0,0)
13. Positive	14. x axis	15. y axis

**11.15 Polygon Classification in the Coordinate Plane**

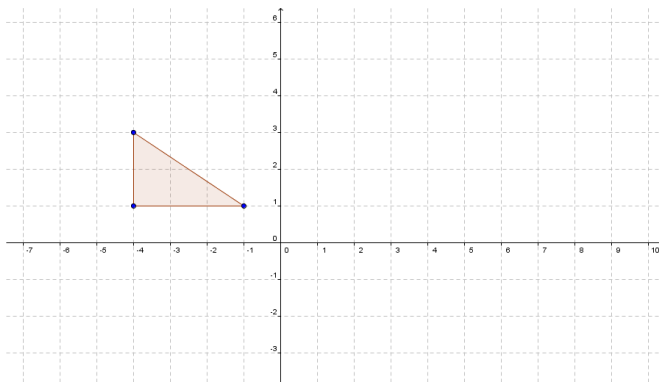
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**Answers**

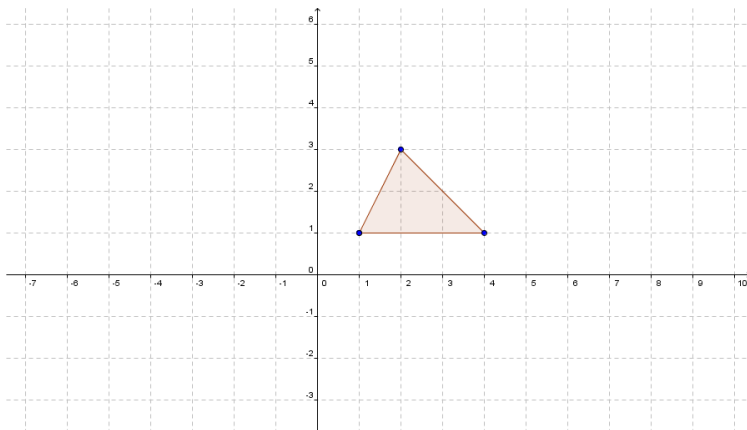
1. Square



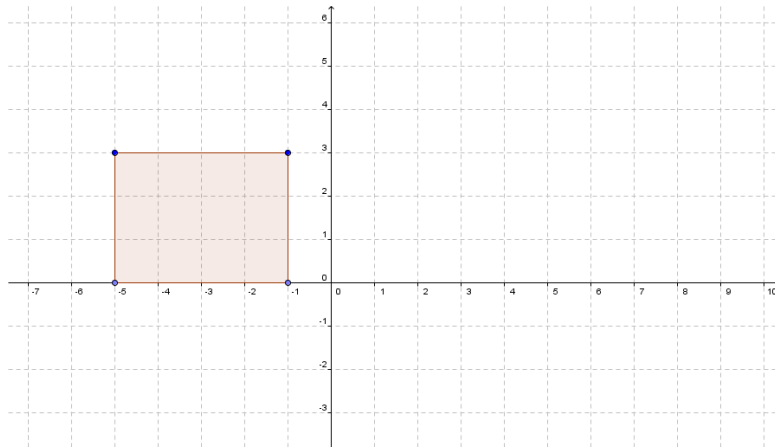
2. triangle



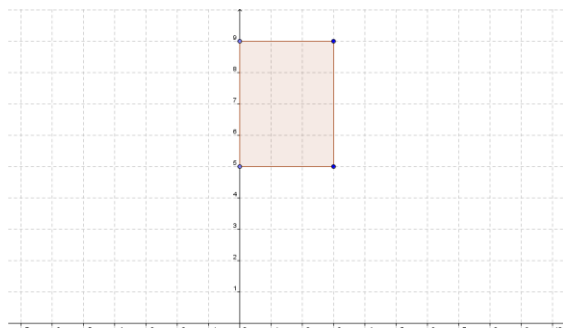
3. Triangle



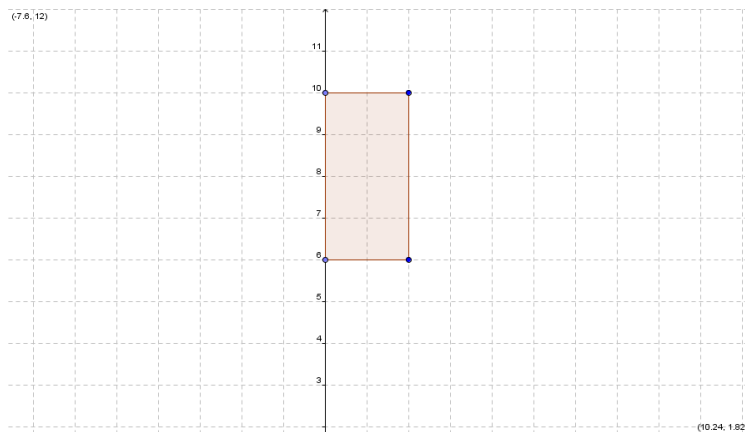
4. Rectangle



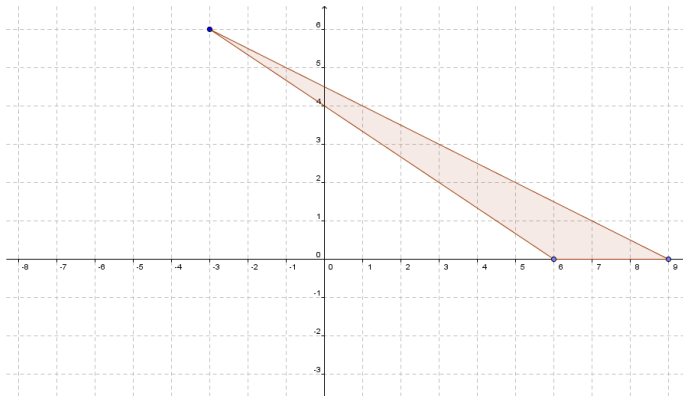
5. Rectangle



6. Rectangle

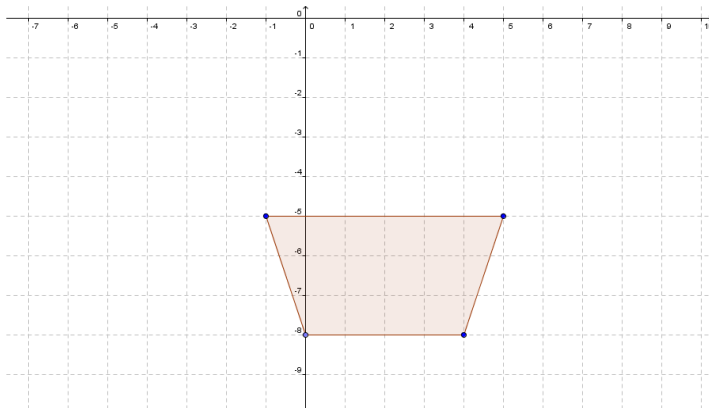


7. Triangle

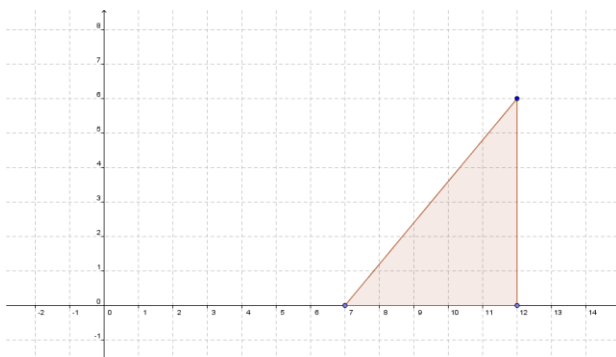


8. MISSING ANSWER

9. Trapezoid



10. Triangle



11 – 15 Answers Vary

**11.16 Coordinate Locations on a Map**

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**Answers**

- |                             |                             |                        |
|-----------------------------|-----------------------------|------------------------|
| 1. Anchorage, Alaska        | 2. Austin, Texas            | 3. Baltimore, Maryland |
| 4. Chicago, Ill.            | 5. Cleveland, Ohio          | 6. Honolulu, Hawaii    |
| 7. Eugene, Oregon           | 8. Jacksonville, Florida    | 9. Las Vegas, Nevada   |
| 10. Los Angeles, California | 11. Raleigh, North Carolina | 12. Richmond, Virginia |
| 13. St. Louis, Missouri     | 14. Tampa, Florida          | 15. Washington, D.C.   |

**11.17 Integer Translations, Paths Between Points**

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**Answers**

- |            |             |             |            |            |
|------------|-------------|-------------|------------|------------|
| 1. (2, -1) | 2. (4, -2)  | 3. (-2, -3) | 4. (1, 3)  | 5. (-6, 4) |
| 6. (7, 2)  | 7. (-3, 1)  | 8. (-1, 2)  | 9. (2, 2)  | 10. (1, 3) |
| 11. (3, 2) | 12. (2, -1) | 13. (1, 2)  | 14. (3, 4) | 15. (6, 3) |

**11.18 Rigid Transformations**

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**Answers**

1. Reflection   2. Rotation   3. Reflection   4. Rotation   5. Translation
- 6 – 20 Answers Vary

**11.19 Data Display Choices**

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**Answers**

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|----------------------|------------------|------------------|
| 1. Circle Graph      | 2. Line graph    | 3. Bar graph     |
| 4. Bar graph         | 5. Circle graph  | 6. Line graph    |
| 7. Double line graph | 8. Line graph    | 9. Bar graph     |
| 10. Double bar graph | 11. Circle graph | 12. Circle graph |
| 13. Line graph       | 14. Line graph   | 15. Circle graph |