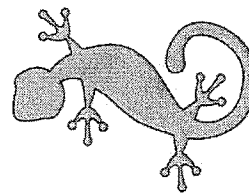


Congruence, Construction, and Proof | 6.1

Ready, Set, Go!



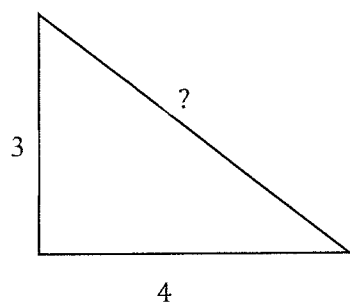
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Ready

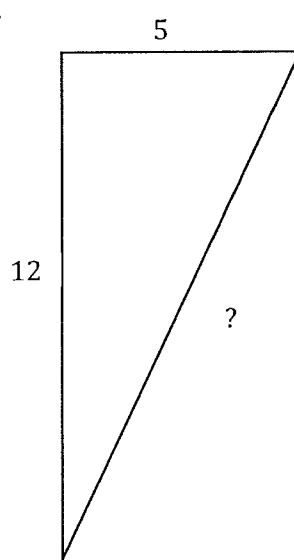
Topic: Pythagorean Theorem

For each of the following right triangles determine the number units measure for the missing side.

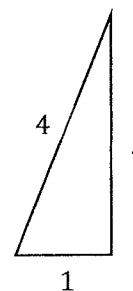
1.



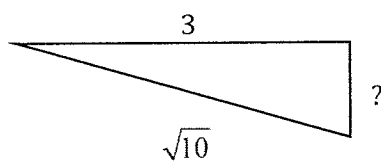
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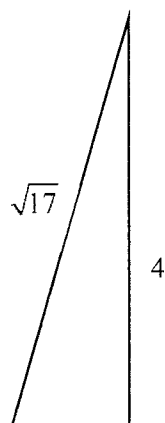
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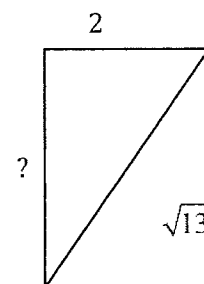
4.



5.



6.



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Congruence, Construction, and Proof | 6.1

Set

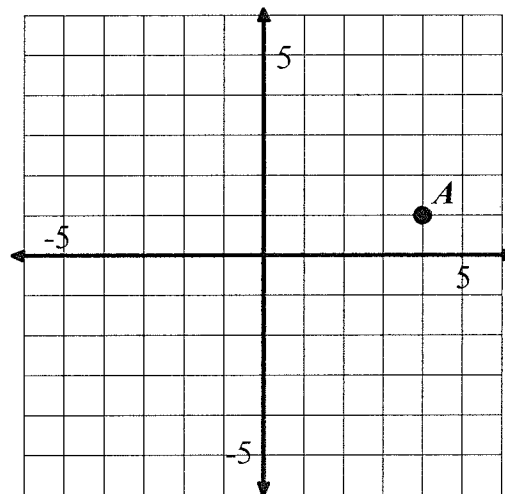
Topic: Transformations

Transform points as indicated in each exercise below.

7a. Rotate point A around the origin 90° clockwise, label as A'

b. Reflect point A over x-axis, label as A''

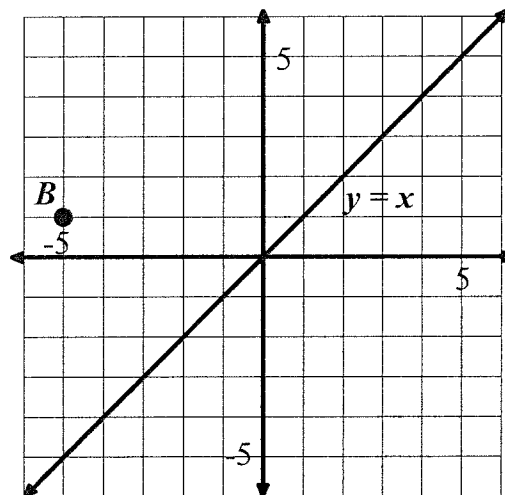
c. Apply the rule $(x - 2, y - 5)$, to point A and label A'''



8a. Reflect point B over the line $y = x$, label as B'

b. Rotate point B 180° about the origin, label as B''

c. Translate point B the point up 3 and right 7 units, label as B'''



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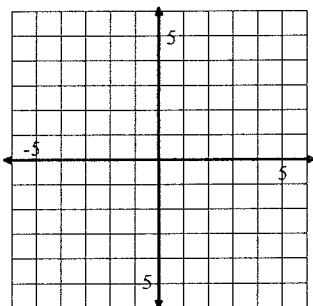
Congruence, Construction, and Proof | 6.1

Go

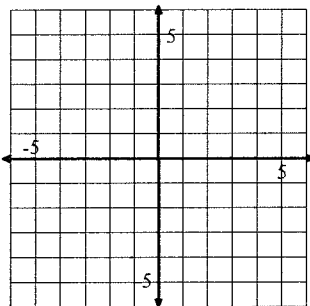
Topic: Graphing linear equations

Graph each equation on the coordinate grid provided. Extend the line as far as the grid will allow.

9. $y = 2x - 3$

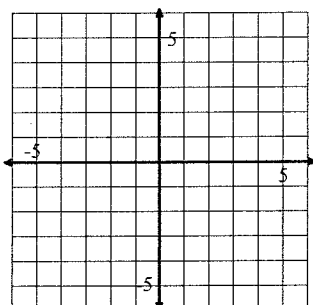


10. $y = -2x - 3$

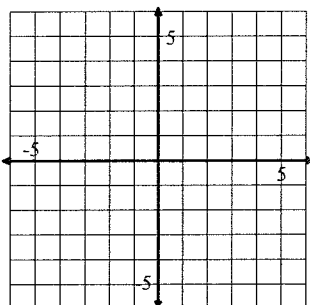


11. What similarities and differences are there between the equations in number 13 and 14?

12. $y = \frac{2}{3}x + 1$

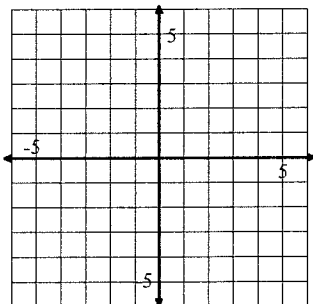


13. $y = -\frac{3}{2}x + 1$

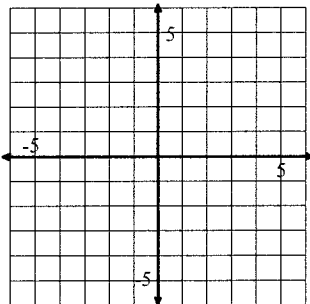


14. What similarities and differences are there between the equations in number 15 and 16?

15. $y = x + 1$



16. $y = x - 3$



17. What similarities and differences are there between the equations in number 15 and 16?

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