SECONDARY MATH I // MODULE 6
TRANSFORMATIONS AND SYMMETRY - 6.2
6.2

READY, SET, GO! Name
Period
Date

## READY

Topic: Finding Distance using Pythagorean Theorem
Use the coordinate grid to find the length of each side of the triangles provided. Give answers in exact form and where necessary rounded to the nearest hundredth.
1.

2.

3.

4.


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## SET

Topic: Slopes of parallel and perpendicular lines.

## 5. Graph a line parallel to the given line.



Equation for given line:

Equation for new line:
6. Graph a line parallel to the given line.


Equation for given line:

Equation for new line:
7. Graph a line parallel to the given line.


Equation for given line:

Equation for new line:
8. Graph a line perpendicular to the given line.


Equation for given line:

Equation for new line:
9. Graph a line perpendicular to the given line.


Equation for given line:

Equation for new line:
10. Graph a line perpendicular to the given line.


Equation for given line:

Equation for new line:

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GO
Topic: Solve the following equations.

## Solve each equation for the indicated variable.

11. $3(x-2)=5 x+8$; Solve for $x$.
12. $y-5=m(x-2)$; Solve for $x$.
13. $A x+B y=C$; Solve for $y$.
14. $-3+n=6 n+22$; Solve for $n$.
