Ch.3 #123, 124, 127, 129

NAME:

CHECK ANSWERS:

hint→see ch.1 toolkit for writing the equation of a line given 2 points

$y = \frac{3}{2}x - \frac{17}{2}$ $\sqrt{52} \approx 7.21$

$\frac{3}{2}$ 4 12 77 $2 < z < 32$

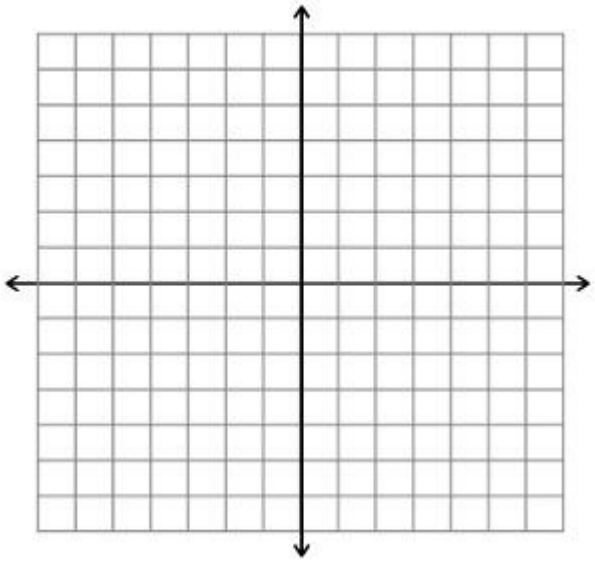
$7 < y < 27$ $12x^2 - 59x - 5$

not enough info, lines not given as parallel $3m^2 - 4m - 15$

$-5y^2 - 7y + 6$ $2x^2 + 17x + 30$

#3-123 Graph the points (3, -4) and (7, 2) and draw the line segment and a slope triangle that connects the points. Calculate

a. the length of the line segment
b. the slope of the line segment
c. The area of the slope triangle that connects the points.
d. The equation of the line that contains the two points.



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f. the slope of the line segment
g. The area of the slope triangle that connects the points.
h. The equation of the line that contains the two points.