

Class QZ 1

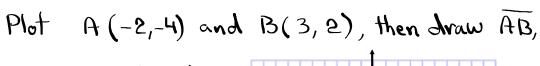
1) Simplify:
$$(3.5-20)^2 = (15-20)^2$$

Times $= (-5)^2 = 25$

2) Solve: $3(x-4) + 8 = x - 4$
 $3x - 12 + 8 = x - 4$
 $3x - 4 = x - 4$
 $3x - x = -4 + 4$

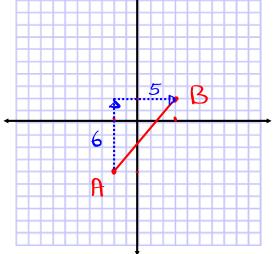
1) Your work is portrait style.

2) Use office hours to minimize # & emails.



and give its slope.

$$M = \frac{6}{5}$$



find an expression in Simplest Sorm for the Perimeter and the area Sor the rectangle below:

Hint: P=2L+2W 4x-5 A=LW

P = 2L + 2W = 2(4x + 5) + 2(4x - 5) = 8x + 10 + 8x - 10 = 16x

4x +5

A=LW = (4x +5)(4x-5)= $16x^2 - 20x + 20x - 25 = 16x^2 - 25$

1)
$$4x + 20 = 4x + 4.5 = 4(x + 5)$$

a)
$$4x^2 - 20x = 4xx - 4.5 \cdot x = 4x(x - 5)$$

3)
$$\chi^2 + 10\chi + 25 = (\chi + 5)(\chi + 5) = (\chi + 5)^2$$
1,25

4)
$$\chi^{2} - 12\chi + 36 = (\chi - 6)(\chi - 6) = [\chi - 6]$$

1,36 6,6

2,18
3,12
4,9
5) $\chi^{3} - 2\chi^{2} - 80\chi = \chi \left[\chi^{2} - 2\chi - 80\right]$

1,80
2,40
4,20
5,16
8,10
6) $\chi^{2} - 100$
Hint: $\Lambda^{2} - \Lambda^{2} = (\Lambda + \Lambda^{2})(\Lambda - \Lambda^{2})$

= $\chi^{2} - 10^{2}$
= $(\chi + 10)(\chi - 10)$

1)
$$4x^{2} - 25 = (2x)^{2} - (5)^{2}$$

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1) $4x^{2} - 25 = (A - B)(A + B)$

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1)

Solve
$$x - 8 \ge 3x + 6$$

 $x - 3x \ge 6 + 8$
 $-2x \ge 14$
Divide by -2
 $\frac{-2}{-2}x \le \frac{14}{-2}$
Interval notation $(-\infty, -1]$

Zero-Product Rule or Zero-Sactor Property

If
$$A \cdot B = 0$$
, then $A = 0$ or $B = 0$

Maybe both

Solve $(x - 8)(x + 8) = 0$

By Zero-Sactor Property

 $x - 8 = 0$ or $x + 8 = 0$
 $x = 8$

Solution Set $x = 8$

Go to announcements

Look Sor Sample Study Gevide

- One Sile

- Pages are in order

- Portrait Style

- Answers are in designated area.

Go to my website, do SGO

Go back to Canuas, Submit SGO

Be aware of dueddie and availability date