JANUARP 31, 2012

ALG1

GET OUT POUR HOMEWORK

18

(-5,1) | 1 to
$$y = -\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$$

5) (-4,5) 11 to y=-2x-4 $y=m\times +b$ $5=-2\cdot -4+b$ 5=8+b -8-8y=-2x-3

1/31 - Equations of lines through a point and perpendicular to another line

- 1. Find m_{\perp} from equation
- 2. Write formula
- 3. Substitute x, y and m_{\perp}
- 4. Solve for *b*
- 5. Substitute m_{\perp} and b

through:
$$(-2, -1)$$
, perp. to $y = \frac{1}{3} + 4$
 $M_{\perp} = -3$
 $y = M_{\perp} + 4$
 $y = M_{\perp}$

- Find m_{\perp} from equation
- 2. Write formula
- 3. Substitute x, y and m_{\perp} 4. Solve for b
- Substitute m_{\perp} and b

through: (4, 0), perp. to y = 4x + 3

$$m_1 = -\frac{1}{4}$$

- 1. Find m_{\perp} from equation
- 2. Write formula
- 3. Substitute x, y and m_{\perp}
- 4. Solve for *b*
- 5. Substitute m_{\perp} and b

through: (5, 1), perp. to y = -x + 5

$$M_{\perp} = 1$$
 $y = m \times + 6$
 $1 = 1.5 + 6$
 $1 = 5 + 6$
 $-5 - 6$
 $y = x - 4$

- Find m_{\perp} from equation
- 2. Write formula
- Substitute x, y and m_⊥
 Solve for b
- Substitute m_{\perp} and b

through: (-5, 2), perp. to $y = \frac{5}{7}x - 4$

$$M_{\perp} = -\frac{7}{5}$$

$$y = -\frac{7}{5}x - 5$$

Find m_{\perp} from equation

2. Write formula

Substitute x, y and m_{\perp} Solve for b

Substitute m_{\perp} and b

through: (-2, 3), perp. to y = -3x - 5

HOMEWORK

Buff (worksheef) 7 # 1-13 odd, 15-28 au

Test-Thursday DUE Wednesday