

## 11/13/12 Warm Up

multiply

①  $x^3 y z (x^2 y)^3$     ②  $x^4 y^3 z (x y^2)^4$     ③  $3x^2 y^2 (x^2 y^2 z)^3$

$$x^3 y^1 z^1 (x^2 y^1)^3$$

$$x^3 y^1 z^1 x^6 y^3$$

$$x^3 x^6 y^1 y^3 z^1$$

$$\boxed{x^9 y^4 z}$$

### Agenda

• Warm Up

• Notes

• Classwork/HW

• 1 question  
quiz

④  $4(x+2) + \frac{1}{2}(2x+4) = 8$

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$$4x + 8 + \frac{1}{2}(\cancel{2}x) + \frac{1}{2}(\cancel{4}) = 8$$

$$\underline{4x} + \underline{8} + \underline{1x} + \underline{2} = 8$$

$$5x + 10 = 8$$
$$\quad \quad \quad -10 \quad -10$$

$$\frac{5x}{5} = \frac{-2}{5}$$

$$\boxed{x = -\frac{2}{5}}$$

⑤  $2(x-1) + \frac{1}{3}(2x+3) = 18$

⑥ What property is used here?

$$3(x+7)+2 = 3x+21+2$$