

6, 1, 3
HWK

6-29)
a) $x > 3$



b) $x \leq 5$



c) $x \geq -4$



6-30)

a) 7 more than a number
 $n + 7$

b) twice a number
 $2x$

6-31) $3x^2 + 7 - 2(4x + 1)$

a) 7 is the constant term when the expression is not simplified (5 is the constant term when the expression is written in simplified form.)

b) $2(4x + 1)$ 2 factors are 2 and $4x + 1$
2 factors in $4x$ are 4 and x

c) $-3m + 17$

d) $4x^2 + 11y - 37$

4 and 11 are coefficients

-37 is a constant term

$4x^2$, $11y$ and 37 are the three terms

$4x^2 + 11y - 37$ is an expression (but so are $4x^2$, $11y$ and 37) x and y are variables

$$e) \frac{5-m}{n} - 2 - 8(m+n)$$

8 and $m+n$ are factors of $8(m+n)$

$8(m+n)$ is a product

$\frac{5-m}{n}$ is a quotient

the entire expression is a sum

6-32)

a) \$820 every 4 weeks

15% taxes

$$15\% \text{ of } \$820 = \$123$$

$$0.15 \cdot 820 = 123$$

b) 75% of his regular pay

$$.75 \cdot 820 = \$615$$

c) 10% of \$820 = 82

$$820 + 82 = \$902$$

$$6-33) P(3) = \frac{1}{6} \cdot 100 = \frac{100}{6}$$

$$100 \div 6 = 16.\bar{6}$$

16 or 17 times

$$P = 12 + 4x$$

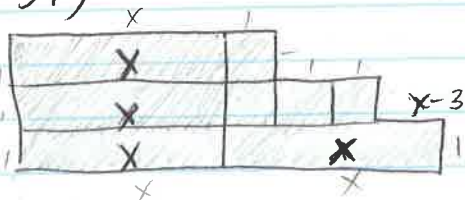
$$A = 2x + 5$$

6-34)

a)

$$P = 4x + 6$$

$$A = 4x + 4$$



b)

