

- Evaluate the expression $\frac{3a - 4b + 6ab - 2}{3a - 2}$ if
 - $a = 3$ and $b = -2$
 - $a = \frac{2}{3}$ and $b = \frac{1}{2}$
 - $a = -\frac{1}{6}$ and $b = 1\frac{1}{2}$
- Apply the law of distributivity to simplify each of the following expressions.
 - $3(x - 1) =$
 - $\frac{1}{2}(4x - 18) =$
 - $-1(x - 2) =$
 - $-2x(5 - 4x) =$
- Simplify each of the following expressions by combining like terms.
 - $5a - 2a =$
 - $-x + 3 - 2x + 1 + 10x =$
 - $a + 2b - 3a + b =$
 - $-2 + 6x - 2 - x + 5 + 3x =$
 - $\frac{1}{3}x - \frac{1}{2} + \frac{2}{3}x - 3 + \frac{3}{2} - x =$
- A cab driver charges customers \$2 for the first mile and then \$0.15 for each additional mile. After we take a drive, we owe \$11. How far did we drive?
- I'm thinking of a number. When I subtract 3 from four times the opposite of this number, I get -19 . What number am I thinking of?
- Ann and Betty dine together. They share the \$25 bill as follows. Betty pays \$3 more than Ann. How much do they each pay?
- Temperature can be measured in celsius and in Farnheit. The conversion formula is as follows: if the temperature is F Farenheits, then the same temperature is C celsius, where

$$F = \frac{9}{5}C + 32$$

- Convert 35 celsius to fahrenheit.
- Convert 122 fahrenheit to celsius.
- Is there a temperature for which the fahrenheit measure is the same number as the celsius measure?