



Things you already know...

$$18 - 5$$
$$18 + (-5)$$
$$13$$

$$15x - 31x$$

$$15x + (-31x)$$
$$-16x$$



$$11 - (-5)$$
$$11 + (+5)$$
$$16$$

$$-18 - (-11)$$

$$-18 + (+11)$$
$$-7$$

$$(5x - 11) - (3x - 6)$$

$$(5x - 11) + (-3x + 6)$$

$$5x - 3x - 11 + 6$$

$$2x - 5$$

Don't forget  
to  
**"ADD THE  
OPPOSITE"!!**

Try This!

$$(6x^2 - 4x + 2) - (-8x^2 - 9x + 2)$$

changes to a "+"  
and switches all  
the signs in  
the brackets.

$$(\underbrace{6x^2}_{\text{red}} - \underbrace{4x}_{\text{blue}} + \underbrace{2}_{\text{red}}) + (\underbrace{+8x^2}_{\text{red}} + \underbrace{9x}_{\text{blue}} - \underbrace{2}_{\text{red}})$$

$$\underbrace{6x^2 + 8x^2}_{\text{blue}} \quad \underbrace{-4x + 9x}_{\text{blue}} \quad \underbrace{+2 - 2}_{\text{blue}}$$

$$\boxed{14x^2 + 5x}$$

15. Subtract.

$$\text{a) } (r^2 - 3rs + 5s^2) - (-2r^2 - 3rs - 5s^2)$$

$$(\underbrace{r^2}_{\text{blue}} - \underbrace{3rs}_{\text{red}} + \underbrace{5s^2}_{\text{blue}}) + (\underbrace{+2r^2}_{\text{blue}} + \underbrace{+3rs}_{\text{red}} + \underbrace{+5s^2}_{\text{blue}})$$

$$\underbrace{1r^2 + 2r^2}_{\text{blue}} - \underbrace{3rs + 3rs}_{\text{blue}} + \underbrace{5s^2 + 5s^2}_{\text{blue}}$$

$$3r^2 + 0rs + 10s^2$$

$$\boxed{3r^2 + 10s^2}$$

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# 8, 10, 15, 17