

a) Solve $x + 3 = 3x + 5$

Subtract the smaller number of x from both sides gives	$3 = 2x + 5$
Subtract 5 from both sides	$-2 = 2x$
Divide by 2 on both sides	$x = -2 \div 2$ $= -1$

b) Solve $8x + 2 = 3x - 18$

Subtract the smaller number of x from both sides gives	$5x + 2 = -18$
Subtract 2 from both sides	$5x = -20$
Divide by -5 on both sides gives	

c) Solve $5x + 4 = 2x + 25$

Subtract the smaller number of x from both sides gives	$3x + 4 = 25$
Subtract 4 from both sides gives	

d) Solve $6x + 3 = 2x - 29$

Subtract the smaller number of x from both sides gives	$4x + 3 = -29$

e) Solve $7x + 3 = 2x - 22$

Subtract the smaller number of x from both sides gives	

f) Solve $6x + 2 = 2x - 26$