a)

Solve:	$6(x + 7) = 50$
Expanding brackets gives:	$6x + 42 = 50$
Subtracting 42 from both sides gives:	$6x = 8$
Dividing by 6 gives:	$x = \frac{8}{6} = \frac{4}{3}$

b)

Solve:	$2(x + 7) = 19$
Expanding brackets gives:	$2x + 14 = 19$
Subtracting 14 from both sides gives:	$2x = 5$
Dividing by 2 gives:	

c)

Solve:	$3(x - 4) = 11$
Expanding brackets gives:	$3x - 12 = 11$
Adding 12 to both sides gives:	

d)

Solve:	$10(x + 7) = 82$
Expanding brackets gives:	$10x + 70 = 82$

e)

Solve:	$5(x - 7) = 12$
Expanding brackets gives:	

f)

Solve:	$6(x + 4) = 38$