

<p>a)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$6(x + 7) = 50$</td> </tr> <tr> <td>Expanding brackets gives:</td> <td>$6x + 42 = 50$</td> </tr> <tr> <td>Subtracting 42 from both sides gives:</td> <td>$6x = 8$</td> </tr> <tr> <td>Dividing by 6 gives:</td> <td>$x = \frac{8}{6} = \frac{4}{3}$</td> </tr> </tbody> </table>	Solve:	$6(x + 7) = 50$	Expanding brackets gives:	$6x + 42 = 50$	Subtracting 42 from both sides gives:	$6x = 8$	Dividing by 6 gives:	$x = \frac{8}{6} = \frac{4}{3}$	<p>b)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$2(x + 7) = 19$</td> </tr> <tr> <td>Expanding brackets gives:</td> <td>$2x + 14 = 19$</td> </tr> <tr> <td>Subtracting 14 from both sides gives:</td> <td>$2x = 5$</td> </tr> <tr> <td>Dividing by 2 gives:</td> <td></td> </tr> </tbody> </table>	Solve:	$2(x + 7) = 19$	Expanding brackets gives:	$2x + 14 = 19$	Subtracting 14 from both sides gives:	$2x = 5$	Dividing by 2 gives:		<p>c)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$3(x - 4) = 11$</td> </tr> <tr> <td>Expanding brackets gives:</td> <td>$3x - 12 = 11$</td> </tr> <tr> <td>Adding 12 to both sides gives:</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Solve:	$3(x - 4) = 11$	Expanding brackets gives:	$3x - 12 = 11$	Adding 12 to both sides gives:			
Solve:	$6(x + 7) = 50$																									
Expanding brackets gives:	$6x + 42 = 50$																									
Subtracting 42 from both sides gives:	$6x = 8$																									
Dividing by 6 gives:	$x = \frac{8}{6} = \frac{4}{3}$																									
Solve:	$2(x + 7) = 19$																									
Expanding brackets gives:	$2x + 14 = 19$																									
Subtracting 14 from both sides gives:	$2x = 5$																									
Dividing by 2 gives:																										
Solve:	$3(x - 4) = 11$																									
Expanding brackets gives:	$3x - 12 = 11$																									
Adding 12 to both sides gives:																										
<p>d)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$10(x + 7) = 82$</td> </tr> <tr> <td>Expanding brackets gives:</td> <td>$10x + 70 = 82$</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Solve:	$10(x + 7) = 82$	Expanding brackets gives:	$10x + 70 = 82$					<p>e)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$5(x - 7) = 12$</td> </tr> <tr> <td>Expanding brackets gives:</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Solve:	$5(x - 7) = 12$	Expanding brackets gives:						<p>f)</p> <table border="1"> <tbody> <tr> <td>Solve:</td> <td>$6(x + 4) = 38$</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Solve:	$6(x + 4) = 38$						
Solve:	$10(x + 7) = 82$																									
Expanding brackets gives:	$10x + 70 = 82$																									
Solve:	$5(x - 7) = 12$																									
Expanding brackets gives:																										
Solve:	$6(x + 4) = 38$																									