

1. Solve de following equations:

1.1. $2(x-1)-3(x+1)=4(x-2)$

2 pts

1.2. $7(x+4)-3(x+2)=7-x$

2 pts

1.3. $-7x-3=2\left(4-\frac{1}{5}x\right)$

2 pts

1.4. $\frac{1}{3}(x+2)-\frac{3}{4}(x-2)=\frac{1}{12}(2-5x)+2$

2 pts

1.5. $\frac{x+3}{3}-\frac{4x-3}{3}-1=-\frac{5x-12}{6}$

2 pts

1.6. $x\sqrt{2}-3(\sqrt{3}+\sqrt{2})=\sqrt{3}(1-x)$

2 pts

2. Solve the following equations:

2.1. $(2x-3)^2-(x+5)^2=0$

2 pts

2.2. $9(2x-1)^2=4(x-2)^2$

2 pts

2.3. $81x^2-64-(9x+8)(2x+7)=0$

2 pts

2.4. $x(2x-3)+(2x-3)=(x-3)(2x-3)$

2 pts