Show ALL work. Write answers on answer sheet. No calculators.

1) Find the equation of the line – in slope intercept form – of the line whose slope is 3 and which contains the point (-3, -15).

2) Find the equation of the line – in slope intercept form – of the line whose slope is -1/2 and which contains the point (4, 6).

3) Find the equation of the line – in slope intercept form – of the line which contains the points (-6, 17) and (5, 5).

4) Find the equation of the line – in slope intercept form – of the line which contains the points (15, 4) and (-20, -10).

5) Evaluate $\frac{x^2-12}{x^2-4x+6}$ for $x = -6$

6) Evaluate: $(-4 \frac{2}{3})(5 \frac{1}{7})$

7) Find the x-intercept: -6x + 2y = 18

8) Find the x-intercept: $y = -\frac{1}{2}x + 4$

9) $-\frac{x}{6} + \frac{2}{3} = x - \frac{1}{9}$

10) $x - \frac{1}{6} = \frac{1}{3}(-5x + 4)$