

Quiz 1, 6/18/25

1)

$$f(x) = \frac{3x+2}{5-x}$$

a) Find  $f(7)$

b) Find  $f(5)$

2)

$$g(x) = x^2 - 2x + 5$$

Find all values of  $x$  so that  $g(x) = 13$

3) Expand. In other words, multiply out, or FOIL:

$$(3x + 7)(x - 5)$$

Ans:

1a)  $-23/2$

1b) not defined

2)  $x = 4, -2$

3)  $3x^2 - 8x - 35$