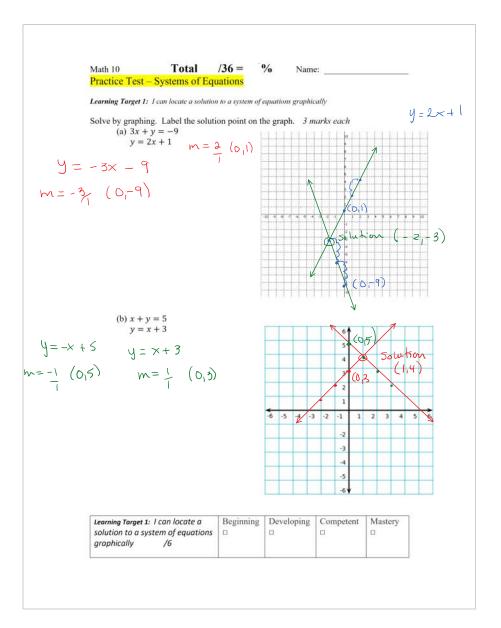
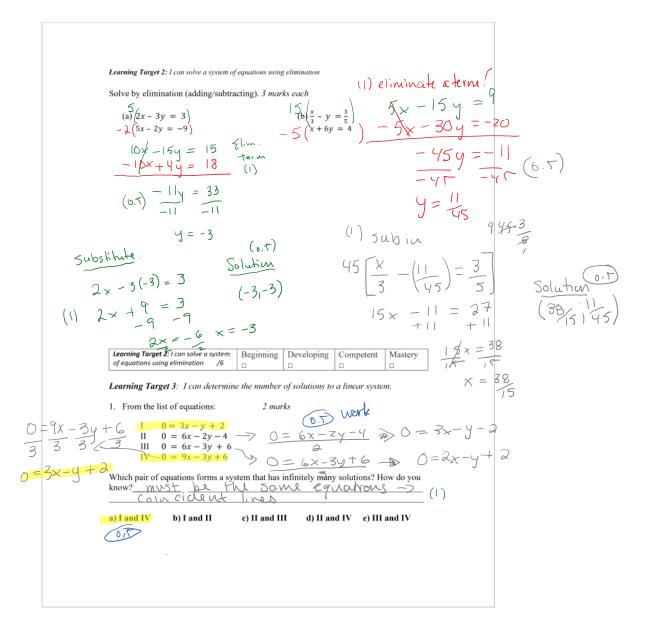
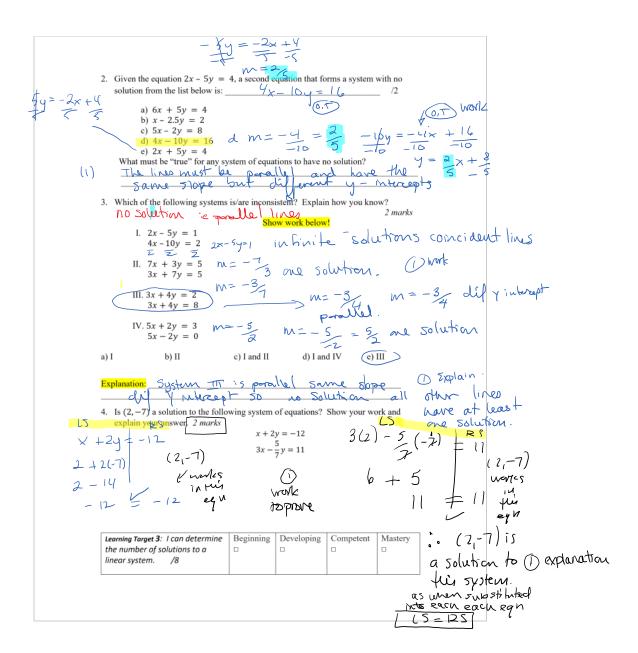
w

Systems of Equations Practice TEST







Learning Target 4: I can solve a system using substitution.

Solve each system by substitution. 3 marks each

(a)
$$y = \frac{2x + 6}{3x + y = 26}$$

(1) Sub in

 29 N
 $3x + (2x + 6) = 26$
 $5x + 6 = 26$
 $-6 - 6$

Find

 $x = 4$

(1)

 $y = 2(4) + 6$
 $y = 14$

Solution $(4, 14)$ 6.7

$$y = 2(4) + 6$$
 $y = 14$

(b)
$$6y + x = 3$$
 \longrightarrow $X = -6y + 3$

(J) Sub $3y - (-6y + 3) = 6$

(N) $3y + 6y - 3 = 6$

(S.F) \longrightarrow $9y - 3 = 6$

(I) \longrightarrow $9y - 3 = 6$

(I) \longrightarrow $7y = 9$

(I) \longrightarrow \longrightarrow $7y = 9$

(I) \longrightarrow \longrightarrow

oping Competent	

