$t = 9 \quad u = 11$

$3 + 11t - 9u$

$3 + 11(9) - 9(11)$

$3 + 99 - 99$

$\boxed{3}$

$\boxed{1x - 4}$

$a = 2, b = 5, c = 4$

$8a + 3b - 10 + c^2$

$8(2) + 3(5) - 10 + (4)^2$

$16 + 15 - 10 + 16$

$31 - 10 + 16$

$31 + 6$

$\boxed{37}$

$\boxed{2(x - 3)}$

$c = 7 \quad d = 8$

$5c - 3d + 11$

$5(7) - 3(8) + 11$

$35 - 24 + 11$

$35 - 13$

$\boxed{22}$

$$6(7-3y)+6(y+1)$$

$$42-18y+6y+6$$

$$\boxed{-12y+48}$$

$$\frac{\frac{2}{y}+\frac{y}{2}}{y}$$

$$\frac{2\cdot 2}{2\cdot y}+\frac{y\cdot y}{2\cdot y}$$

$$\frac{4}{2y}+\frac{y^2}{2y}=\frac{y^2+4}{2y}$$

$$\frac{y^2+4}{2y}\div\frac{y}{1}$$

$$\frac{y^2+4}{2y}\cdot\frac{1}{y}=\frac{y^2+4}{2y\cdot y}=\frac{y^2+4}{2y^2}$$

$$\boxed{\frac{y^2+4}{2y^2}}$$

$$2\left(\frac{1}{5}m - \frac{2}{5}\right) + \frac{3}{5}$$

$$\frac{2}{1} \cdot -\frac{2}{5} = \frac{-4}{5}$$

$$\frac{2}{5}m - \frac{4}{5} + \frac{3}{5}$$

$$\boxed{\frac{2}{5}m - \frac{1}{5}}$$

$$9 - 12x + 6y$$

$$3(3 - 4x + 2y)$$

$$\frac{4(4a+5)}{\boxed{16a + 20}}$$

$$\frac{2x-6}{y} \div \frac{x-3}{y+1}$$

$$\frac{2x-6}{y} \cdot \frac{y+1}{x-3} = \frac{(2x-6)(y+1)}{y(x-3)}$$

$$\frac{2(x-3)(y+1)}{y(x-3)} = \boxed{\frac{2(y+1)}{y}}$$

$$-\frac{6}{5} - \frac{2}{3}v + \frac{4}{15} + \frac{1}{3}v$$

$$-\frac{2}{3}v + \frac{1}{3}v - \frac{6}{5} + \frac{4}{15}$$

$$-\frac{1}{3}v - \frac{6 \cdot 3}{5 \cdot 3} + \frac{4}{15}$$

$$-\frac{1}{3}v - \frac{18}{15} + \frac{4}{15}$$

$$\boxed{-\frac{1}{3}v - \frac{14}{15}}$$

$$8(10 - 6q) + 3(-7q - 2)$$

$$80 - 48q - 21q - 6$$

$$-69q + 80 - 6$$

$$\boxed{-69q + 74}$$

Unit Test

$44h - 33$

$11(4h - 3)$

$m = 5, n = 4$

$10m + \frac{n^2}{4} = 10(5) + \frac{(4)^2}{4}$

$50 + \frac{16}{4}$

$50 + 4$

$\boxed{54}$

$2(5g + 3h + 4)$

$10g + 6h + 8$

$8(5g + 3h)$

$40g + 24h$

$6(5g + 3h)$

$30g + 18h$

$\frac{3x}{2} \div (3x+2)$

$\frac{3x}{2} \cdot \frac{1}{\frac{3}{x}+2}$

$\frac{3x}{2} \cdot \frac{1}{\frac{3}{x}+\frac{2x}{x}}$

$\frac{3x}{2} \cdot \frac{1}{\frac{3+2x}{x}}$

$\frac{3x}{2} \cdot \frac{x}{3+2x}$

$\frac{3x^2}{2(3+2x)}$

$\boxed{\frac{3x^2}{6+4x}}$

$10+4(-8q-4)$

$10-32q-16$

$-32q+10-16$

$\boxed{-32q-6}$

$6+2(6+26)$

$6+26+26$

56

$3b+6=\boxed{46}$

$2(26)=\boxed{46}$

$\boxed{2x+8}$

$\frac{1}{1} \div \frac{3+2x}{x}$

$\frac{1}{1} \cdot \frac{x}{3+2x}$

$\frac{x}{3+2x}$

855

-435

420

$9-\frac{2}{x}$

$-5.55-8.55c+4.35c$

$\boxed{-4.20c-5.55}$