

ANSWERS FOR TEST SET

Problem 1:

a) 12, b) $\frac{11}{12}$, c) $\frac{15}{4}$, d) 16, e) -1, f) 12, g) $\frac{2}{25}$, h) 3, i) 1.

Problem 2:

a) $x^2 - 10x + 25$, b) $-a^2 - a + 12$, c) $a^5 + a - 1$, d) $-x^2$, e) x^6 .

Problem 3:

a) -3, b) -6, c) 5, -3, d) 2, -2, e) 4.

Problem 4:

a) (17,-10), b) -8, c) 3.

Problem 5:

a) $4x + 4$, b) $2\sqrt{3}$, c) $2\sin(x) + 2x\cos(x)$, d) $2\cos(2x) - 1$.

Problem 6:

a) $\sin(x) + C$, b) $\frac{13}{6}$, c) $2\ln(2)$.

Problem 7:

a) F, b) T, c) F.

Problem 8:

a) $x^2 + x + 1$, b) $x^2 + 1$, c) $2x + 2$

Problem 9:

Choice number two is correct.