

$$\boxed{1} \quad (\text{a}) \quad (f + g)(2) = f(2) + g(2) = 7 + (-2) = 5$$

$$(\text{b}) \quad (f - g)(4) = f(4) - g(4) = 10 - 5 = 5$$

$$(\text{c}) \quad (fg)(-2) = f(-2)g(-2) = (0)(6) = 0$$

$$(\text{d}) \quad (f/g)(0) = f(0)/g(0) = \frac{5}{0} \Rightarrow \text{undefined}$$