

Problem 12
Green-Ampt Infiltration Equation

[a] 2 pts

$$t_p = \boxed{0.636} \text{ hr}$$

[b] 1 pt

$$F_p = \boxed{0.763} \text{ cm}$$

[c] 2 pts

$$t_0 = \boxed{0.283} \text{ hr}$$

[d] 3 pts

$$F = \boxed{0.6} \text{ cm}$$

[e] 2 pts

$$f = \boxed{1.2} \text{ cm/hr}$$

[f] 3 pts

$$F = \boxed{1.913} \text{ cm}$$

[g] 2 pts

$$f = \boxed{0.683} \text{ cm/hr}$$