

$$\left. \frac{2}{30} t^{3/2} \right]$$

$$\frac{1}{15} (1+t^2)^{3/2} \Big|_0^5$$

$$\frac{1}{15} (26)^{3/2} - \frac{1}{15} (1)^{3/2}$$

$$\frac{26^{3/2} - 1}{15}$$

12. a. -3

b. 11

c. 8.5

d. 14.5

e. 65.5

f. -3

g. 0

h. 2