S4E-17A

1. $\frac{3}{2}$ or 1

2. $\frac{1}{6} \pm \frac{\sqrt{11}}{6} i$ or no real roots

3. $2x^2 - 5x - 3 = 0$

4. 13 and 15

5. $k > \frac{1}{20}$

6. **(a)** 92

(b) $\frac{23}{3}$

7. **(a)** -2

(b) 1

8. **(a)** $\alpha + \beta = 2$

$\alpha\beta = \frac{9}{2}$

(b) $\frac{1}{\alpha} + \frac{1}{\beta} = \frac{4}{9}$

$\frac{1}{\alpha\beta} = \frac{2}{9}$

(c) $9x^2 - 4x + 2 = 0$

9. -8 or 6

10. 4 cm

M.C.

1. C

2. A

3. D

4. C