

FILA 1

1. Sol: $\alpha = \frac{4}{3(2-\pi)\pi}$
 2. Sol: $\frac{1}{2}(1 - \log 2)$
 3. Sol: $y(x) = \frac{1}{50} + \frac{49}{50} \cos x - \frac{7}{50} \sin x$
 4. Sol: retta $x = 1$.
 5. Sol: $5\sqrt{2}$
 6. Sol: (0,0) MASSIMO, (0,3) SELLA.
 7. Sol: $m = -1$ e $M = 8$
 8. Sol: 8
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FILA 2

1. Sol: $y(x) = \frac{1}{37} + \frac{36}{37} \cos x - \frac{6}{37} \sin x$
 2. Sol: $\alpha = \frac{4}{5(2-\pi)\pi}$
 3. Sol: retta $x = 1/2$.
 4. Sol: $m = -2$ e $M = 9$
 5. Sol: (0,0) MASSIMO, (0,5) SELLA.
 6. Sol: 7
 7. Sol: $\frac{1}{3}(2 - \log 3)$
 8. Sol: $9\sqrt{2}$
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FILA 3

1. Sol: 6
 2. Sol: $\frac{1}{4}(3 - \log 4)$
 3. Sol: $\alpha = \frac{4}{7(2-\pi)\pi}$
 4. Sol: $y(x) = \frac{1}{26} + \frac{25}{26} \cos x - \frac{5}{26} \sin x$
 5. Sol: $m = -3$ e $M = 10$
 6. Sol: $13\sqrt{2}$
 7. Sol: retta $x = 1/3$.
 8. Sol: (0,0) MASSIMO, (0,7) SELLA.
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FILA 4

1. Sol: $y(x) = \frac{1}{17} + \frac{16}{17} \cos x - \frac{4}{17} \sin x$
 2. Sol: retta $x = 1/4$.
 3. Sol: (0,0) MASSIMO, (0,9) SELLA.
 4. Sol: $\alpha = \frac{4}{9(2-\pi)\pi}$
 5. Sol: $m = -4$ e $M = 11$
 6. Sol: 5
 7. Sol: $\frac{1}{5}(4 - \log 5)$
 8. Sol: $17\sqrt{2}$
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FILA 5

1. Sol: $m = -5$ e $M = 12$

2. Sol: 4
 3. Sol: $21\sqrt{2}$
 4. Sol: $\frac{1}{6}(5 - \log 6)$
 5. Sol: $\alpha = \frac{4}{11(2-\pi)\pi}$
 6. Sol: retta $x = 1/5$.
 7. Sol: $(0, 0)$ MASSIMO, $(0, 11)$ SELLA.
 8. Sol: $y(x) = \frac{1}{10} + \frac{9}{10} \cos x - \frac{3}{10} \sin x$
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FILA 6

1. Sol: retta $x = 1/6$.
 2. Sol: $y(x) = \frac{1}{5} + \frac{4}{5} \cos x - \frac{2}{5} \sin x$
 3. Sol: $(0, 0)$ MASSIMO, $(0, 13)$ SELLA.
 4. Sol: $m = -6$ e $M = 13$
 5. Sol: $25\sqrt{2}$
 6. Sol: $\alpha = \frac{4}{13(2-\pi)\pi}$
 7. Sol: 3
 8. Sol: $\frac{1}{7}(6 - \log 7)$
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