

$$\sqrt{(23.33)^2 + (-1.640)^2}$$

48

192

$$y'' = (4e^{3x})(4\cos 4y) + (12e^{3x})(\sin 4y)$$

$$y'' = 17$$

$$(4e^{3x})(-16\sin 4y) + (12e^{3x})(4\cos 4y) \\ (12e^{3x})(4\cos 4y)^2 + (36e^{3x})(\sin 4y)^2$$