**Find http://01.edu-cdn.com/files/static/learningexpressllc/9781576855362/Implicit_Differentiation_04.gif in the following equations.**

1. (*y* + 1)3 = *x*4 – 8*x*
2. *y*3 + *y* = sin(*x)*
3. sin(*y*) = 4*x* + 7
4. *y* – √*y* = ln(*x*)
5. *y*2 + *x* = 3*x*4 + 8*y*
6. *ex* + *ey* = *x*3
7. tan(*y*) = cos(*x*)
8. *y* = √*x* + *y*
9. sin(*x*) – sin(*y*) = *x*
10. *y* – ln(*y*) = 10*x*3 – 6*x*2 + 4
11. (*y* + *x*2)4 = 10*x*
12. *x*2*y* = *y*4*x*4
13. http://02.edu-cdn.com/files/static/learningexpressllc/9781576855362/Implicit_Differentiation_44.gif + *xy* = *x* + *y*
14. sec(*y*) + 9*y* = *x*3 cos(*y*)
15. Find the tangent line slope of *y*3 + *x*2 = *y*2 – 5*y* + 14 at (–3, 1).
16. Find the tangent line slope of *x*3 + *y*3 = 3*y* – *x* at (**1**, –2).
17. Find the slope of the tangent line to ln(3*y* – 5) + *x* = *y*2 at (4,2).
18. Find the slope of the tangent line at (2,3) on the graph of *x*2*y* + *y*2*x* = 30.
19. Find the equation of the tangent line to sin(*y*) = *x* at the point  http://03.edu-cdn.com/files/static/learningexpressllc/9781576855362/Implicit_Differentiation_45.gif.
20. Find the equation of the tangent line to *x*2 + 6*y* = *xy* + 3 at (3, –2).